Planning

# Atomistic Modelling of Detritiation of Tungsten

United Kingdom Atomic Energy Authority

F01: Prior information notice
Prior information only
Notice identifier: 2022/S 000-015988
Procurement identifier (OCID): ocds-h6vhtk-034519
Published 10 June 2022, 12:11pm

## Section I: Contracting authority

### I.1) Name and addresses

United Kingdom Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

**Contact**

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**Email**

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**Telephone**

+44 1235467082

**Country**

United Kingdom

**NUTS code**

UK - United Kingdom

**National registration number**

N/A

**Internet address(es)**

Main address

http://www.gov.uk/government/organisations/uk-atomic-energy-authority

Buyer's address

https://uk.eu-supply.com/ctm/Company/CompanyInformation/Index/72814

## I.2) Information about joint procurement

The contract is awarded by a central purchasing body

## I.3) Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at

https://uk.eu-supply.com/app/rfq/rwlentrance_s.asp?PID=48006&B=UK

Additional information can be obtained from the above-mentioned address

## I.4) Type of the contracting authority

Body governed by public law

## I.5) Main activity

Other activity

Fusion Research

# Section II: Object

## II.1) Scope of the procurement

### II.1.1) Title

Atomistic Modelling of Detritiation of Tungsten

Reference number

T/JM099/22

### II.1.2) Main CPV code

- 73300000 - Design and execution of research and development

### II.1.3) Type of contract

Services

### II.1.4) Short description

Detritiation of tungsten is a high priority topic where atomistic modelling can provide unique insights and materials property information of practical engineering value. To this end, the UKAEA proposes a modelling effort with a focus on the role of surface oxidation in the detritiation of tungsten tiles following fusion reactor service, including eventualities of accidental exposure to oxygen during service.

Two phases of this project are envisaged.

### II.1.5) Estimated total value

Value excluding VAT: £100,000

### II.1.6) Information about lots

This contract is divided into lots: No

## II.2) Description

### II.2.2) Additional CPV code(s)

- 73220000 - Development consultancy services
- 73300000 - Design and execution of research and development

### II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

### II.2.4) Description of the procurement

Detritiation of tungsten is a high priority topic where atomistic modelling can provide unique insights and materials property information of practical engineering value. To this end, the UKAEA proposes a modelling effort with a focus on the role of surface oxidation in the detritiation of tungsten tiles following fusion reactor service, including eventualities of accidental exposure to oxygen during service.

Two phases of this project are envisaged.

## II.3) Estimated date of publication of contract notice

11 September 2022

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# Section IV. Procedure

## IV.1) Description

### IV.1.8) Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: No